

## Traffic Signal Electrician Technician

Position ID: J0226-0188

Job Type: Full Time

Department: Road Operations

Number Of Positions: 1

Min Salary: \$47.24/Hour

Max Salary: \$59.05/Hour

Posting Closing Date: March 09, 2026

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As one of the fastest growing cities in Alberta, the City of Airdrie is a recognized leader in building a vibrant and sustainable community through innovation.

At the City of Airdrie, incredible opportunities happen every day in a flexible work environment that is tailored to each department. Our inclusive culture and values create a workplace where we welcome aspiring, driven and creative individuals to help us accomplish our business and community goals. We are supportive of one another, and we have fun while we serve our community. We are passionate about improving the lives of our residents through care and respect; that is the foundation of our organization. At the City of Airdrie, we learn, grow and accomplish great things together. We're proud to foster a workplace culture built on dedication, teamwork, and genuine care. Our commitment to creating a positive environment is reflected in our employee feedback from the 2025 Employee Engagement Survey, with 92.8% of employees saying they enjoy their work, and 92.6% feeling equipped with the resources they need to stay safe on the job.

If you have a passion for building a better community and are ready to join the excitement, we'd love to hear from you!

### The Opportunity:

Traffic signal electrician technician is responsible for providing the installation, maintenance and repair of traffic signals and associated electronic equipment and devices. This position is also responsible for the planning, scheduling of all traffic signal maintenance repairs, upgrades and periodic software updates.

Responsibilities include:

- Substantial knowledge of the methods used in the installation, maintenance and repair of traffic control signals and vehicle detection devices.
- Troubleshoot and repair traffic signals, signalized crosswalks and detection systems
- Plan/schedule, the timely preventative maintenance of all electrical traffic control devices.
- Configure, test and wire traffic signal cabinets, intersections, signalized crosswalks, and detection systems
- Install and program communications equipment including radios, fibre optics and cellular components
- Maintain legible, accurate, written, and computerized records and develop reports.
- Provide modifications and or install new timing plans as presented.
- Orders and stocks spare equipment components under a defined budget

### You Bring:

- A completed 2-year diploma in Electronics Engineering Technology: or a valid Journeyperson Electrician certificate, or equivalent as recognized by the Alberta Apprenticeship and Industry Training Board
- Preferred candidate would hold a Master Electrician Certification as well as a IMSA Traffic Signal Sr. Field Technician III Certification.
- International Municipal Signal Association (IMSA)- Certified Signal Field Technician II or Level III with three years (3) of practical experience in electrical and a minimum of five (5) years' experience in traffic signal maintenance.
- A valid Class 5 Driver's License (or provincial equivalent), with no more than 6 demerits and no current suspensions or charges pending is required.
- Knowledge of Econolite and Intelight traffic systems.
- Experience in networking, wireless communication, and Ethernet.
- Knowledge of relay components and logic, fibre switching, and Direct Current (DC) power systems is required.
- Considerable knowledge of the Manual on Uniform Traffic Control Devices (MUTCD), and the National Manufacturers Electrical Association (NEMA).
- Ability to work well and exercise good judgement and diplomacy under pressure, while dealing with multiple interested parties, responsibilities, and projects.
- Must be able to work well, independently, and collaborate cohesively within a team environment.

### We Offer:

Along with a competitive compensation program and City paid health and dental premiums, our employees also enjoy:

- Excellent health, dental, paramedical, and benefits plan
- First-in-class pension plan
- Career development and tuition reimbursement
- Employee discounts, annual adult Genesis Place pass, social events, and health & wellness initiatives

Continuous learning through training and development is encouraged as are flexible work arrangements, when possible. We recognize that our people work best when they feel engaged in their environment and are appreciated for their efforts and our overall benefits package reflects that.

### Additional Information:

This is a full-time position, scheduled for 40 hours per week.

#### Work Environment:

This position will perform work in an outdoor environment, with exposure to various heights, weather conditions, confined space, noise, roadways, electrical and mechanical hazards.

#### Physical Demands:

While performing the duties of this job, the employee is frequently required to stand, walk, sit, bend, twist, reach, ride and perform similar body movements. Must have the ability to perform moderate to heavy physical work and to lift and carry up to 50 pounds at a time; the possession of hand/eye coordination sufficient to operate a personal computer, office equipment and a motor vehicle; the ability to talk and hear in person or by phone; and the ability to see and read instructions and reports. Must be able to work an occasional nightshift when a project repair requires.



### Next Steps:

Candidates are invited to apply online at [www.Airdrie.ca](http://www.Airdrie.ca). We only accept resumes and additional application documents through our online recruitment system. In-person applications, email or other online forms will not be considered.

If you require an accommodation during any part of the application or hiring process, please contact us at [careers@airdrie.ca](mailto:careers@airdrie.ca) and we will work with you to meet your needs.

The City of Airdrie is committed to fostering a workplace culture where belonging, equity, accessibility, and diversity are deeply ingrained into all parts of the City, where employees feel they belong, are treated with respect, and where everyone can thrive and contribute to the City's success.

Postings close at 10:00 PM MT (Mountain Time) on the closing date listed in the posting. We recommend applying as soon as possible as we are not able to accept late applications.

Please review the job competition carefully and be sure to attach any specifically requested documentation in the My Documents section of your application.

Interviewing and hiring may commence prior to the posted closing date.

Thank you for your interest in the City of Airdrie.

